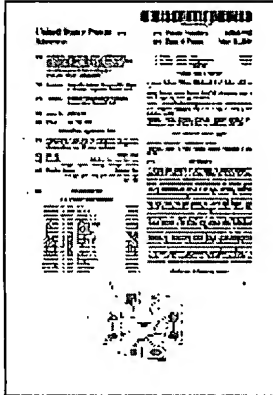


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# System, method, and computer program product for presenting multimedia ...

James A. Reimer et al

## Patent summary

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### Abstract

A system and method for providing on demand access to information related to a movie while the movie is being presented to a user, where the movie was generated from the movie related information, are described. The system operates by presenting the movie to the user, and then receiving from the user a query pertaining to the movie. The system determines a frame of the movie that was being presented to the user when the user issued the query (the system may extract this information from the query, or may extract this information from the movie itself). The system identifies, as specified by the query, portions of the movie related information relating to the frame, and retrieves those portions of the movie related information. These retrieved portions of the movie related information are presented to the user. Also discussed is a manager to enable users to create personalized versions of movies, and personalized collections of items. Also discussed is a system and method for...

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**Inventors:** James A.

## Claims

What is claimed is:

1. A method of enabling a user to operate with a personalized version of a movie, comprising the steps of:

(1) enabling said user to modify an edit decision list associated with said movie, said edit decision list having entries for at least some of at least one of scenes, clips, and takes in said movie, said modified edit decision list storing at least information sufficient to locate movie related information pertinent to generation of said movie; and

(2) presenting to said user said personalized version of said movie in response to a request from said user;

wherein step (1) comprises the steps of:

receiving from said user information identifying a particular portion of said movie;  
 retrieving information corresponding to said particular portion of said movie; and  
 enabling said user to add any part of said retrieved information corresponding to said particular portion of said movie to said personalized version of said movie.

2. The method of claim 1, wherein step (2) comprises the steps of:

(a) retrieving an entry from said modified edit decision list;  
 (b) retrieving one or more digitized frames specified by said retrieved entry; and  
 (c) presenting said digitized frames to said user.

3. The method of claim 1, further comprising the step of:

(3) receiving from said user a query pertaining to said personalized version of said movie.

4. The method of claim 3, wherein said query is one of the following query types:

(a) a "who is this?" query;  
 (b) a "what other films has this director worked on?" query;  
 (c) a "when did this happen?" query; and  
 (d) a "why?" query.

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**U.S. Classification**  
709/203; 709/206;  
709/219; 709/227; 348/13;  
345/326; 345/327;  
345/333

**International  
 Classification**  
 H04N 1413

5. The method of claim 4, wherein processing of a "who is this?" query involves accessing one or more of an Actor in Take table, a Character In Scene table, and an Actor Play Character table, and wherein processing of a "what other films has this director worked on?" query involves accessing one or more of an One Movie Credit table and an All Movies Credit table, and wherein processing of a "when did this happen?" query involves accessing one or more of a Time In Story table and a Take Details table.

6. A system of enabling a user to operate with a personalized version of a movie, comprising:

edit decision list modifying means for enabling said user to modify an edit decision list associated with said movie, said edit decision list having entries for at least some of at least one of scenes, clips, and takes in said movie, said modified edit decision list storing at least information sufficient to locate movie related information pertinent to generation of said movie; and  
 presenting means for presenting to said user said personalized version of said movie in response to a request from said user;  
 wherein said edit decision list modifying means comprises:

means for receiving from said user information identifying a particular portion of said movie;  
 means for retrieving information corresponding to said particular portion of said movie; and  
 means for enabling said user to add any part of said retrieved information corresponding to said particular portion of said movie to said personalized version of said movie.

7. The system of claim 6, wherein said presenting means comprises:

means for retrieving an entry from said modified edit decision list;  
 means for retrieving one or more digitized frames specified by said retrieved entry; and  
 means for presenting said digitized frames to said user.

8. The system of claim 6, further comprising:

means for receiving from said user a query pertaining to said personalized version of said movie.

9. The system of claim 8, wherein said query is one of the following query types:

(a) a "who is this?" query;  
 (b) a "what other films has this director worked on?" query;

## Search within this patent

## Citations

Patent Number	Title	Issue date
<u>4305131</u>	Dialog between TV movies and human viewers	Dec 8, 1981
<u>4931950</u>	Multimedia interface and method for computer system	Jun 5, 1990
<u>5053956</u>	Interactive system for retail transactions	Oct 1, 1991
<u>5111409</u>	Authoring and use systems for sound synchronized animation	May 5, 1992
<u>5231566</u>	Method and apparatus for producing a catalog	Jul 27, 1993
<u>5307456</u>	Integrated multi-media production and authoring system	Apr 26, 1994
<u>5309355</u>	Automated sales system	May 3, 1994

<u>5319455</u>	System for distributing customized commercials to television viewers	Jun 7, 1994	(c) a "when did this happen?" query; and (d) a "why?" query.
<u>5345549</u>	Multimedia based security systems	Sep 6, 1994	10. The system of claim 9, wherein processing of a "who is this?" query involves accessing one or more of an Actor in Take table, a Character In Scene table, and an Actor Play Character table, and wherein processing of a "what other films has this director worked on?" query involves accessing one or more of an One Movie Credit table and an All Movies Credit table, and wherein processing of a "when did this happen?" query involves accessing one or more of a Time In Story table and a Take Details table.
<u>5353391</u>	Method apparatus for transitioning between sequences of images	Oct 4, 1994	11. A computer program product having control logic stored therein, said control logic, when executed by a computer, enabling the computer to enable a user to operate with a personalized version of a movie, said control logic comprising:
<u>5367621</u>	Data processing method to provide a generalized link from a reference point in an on-line book to an arbitrary multimedia object which can be dynamically updated	Nov 22, 1994	edit decision list modifying means for enabling the computer to enable said user to modify an edit decision list associated with said movie, said edit decision list having entries for at least some of at least one of scenes, clips, and takes in said movie, said modified edit decision list storing at least information sufficient to locate movie related information pertinent to generation of said movie; and presenting means for enabling the computer to present to said user said personalized version of said movie in response to a request from said user;
<u>5388993</u>	Method of and system for demonstrating a computer program	Feb 14, 1995	wherein said edit decision list modifying means comprises: means for enabling the computer to receive from said user information identifying a particular portion of said movie; means for enabling the computer to retrieve information corresponding to said particular portion of said movie; and means for enabling the computer to enable said user to add any part of said retrieved information corresponding to said particular portion of said movie to said personalized version of said movie.
<u>5404316</u>	Desktop digital video processing system	Apr 4, 1995	12. The computer program product of claim 6, wherein said presenting means comprises:
<u>5414808</u>	Method for accessing and manipulating library video segments	May 9, 1995	means for enabling the computer to retrieve an entry from said modified edit decision list; means for enabling the computer to retrieve one or more digitized frames specified by said retrieved entry; and means for enabling the computer to present said digitized frames to said user.
<u>5440678</u>	Method of and apparatus for creating a multi-media footnote	Aug 8, 1995	
<u>5451998</u>	Home shopping video catalog	Sep 19, 1995	

<u>5485611</u>	Video database indexing and method of presenting video database index to a user	Jan 16, 1996
<u>5515490</u>	Method and system for temporally formatting data presentation in time-dependent documents	May 7, 1996
<u>5539450</u>	Methods and systems for providing additional service applications in pay television	Jul 23, 1996

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**Referenced by**

<b>Patent Number</b>	<b>Title</b>	<b>Issue date</b>
<u>6155840</u>	System and method for distributed learning	Dec 5, 2000
<u>6243725</u>	List building system	Jun 5, 2001
<u>6400996</u>	Adaptive pattern recognition based control system and method	Jun 4, 2002
<u>6651251</u>	System and method for linking video, services and applications in an interactive television system	Nov 18, 2003
<u>6693648</u>	Pointer interactive apparatus	Feb 17, 2004
<u>6714920</u>	Information processing apparatus and	Mar 30, 2004

	information processing method	
<u>6775842</u>	Method and arrangement for transmitting and receiving encoded images	Aug 10, 2004
<u>6795789</u>	System for testing of intelligent electronic devices with digital communications	Sep 21, 2004
<u>6859936</u>	Method and system for producing program-integrated commercials	Feb 22, 2005
<u>6959419</u>	Audience information collecting system, audience information collecting method, and information providing method	Oct 25, 2005
<u>7024381</u>	Approach for renting items to customers	Apr 4, 2006
<u>7168086</u>	Proxy for video on demand server control	Jan 23, 2007
<u>7209917</u>	Digital asset data type definitions	Apr 24, 2007
<u>7240075</u>	Interactive generating query related to telestrator data designating at least a portion of the still image frame and data identifying a user is generated from the user designating a selected region	Jul 3, 2007

on the display  
screen,  
transmitting the  
query to the  
remote  
information  
system

7260312

Method and  
apparatus for  
storing content

Aug 21, 2007

7272300

Method and  
apparatus for  
storing content

Sep 18, 2007



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